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RAW SEQUENCE LISTING   DATE: 04/12/2002
PATENT APPLICATION: US/09/997,623   TIME: 14:24:36

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 5 <120> TITLE OF INVENTION: Protein C or activated protein C-like molecules
 7 <130> FILE REFERENCE: 0219us410 - protein C
 9 <140> CURRENT APPLICATION NUMBER: US 09/997,623
10 <141> CURRENT FILING DATE: 2001-11-29
12 <150> PRIOR APPLICATION NUMBER: US 09/978,917
13 <151> PRIOR FILING DATE: 2001-10-17
15 <160> NUMBER OF SEQ ID NOS: 48
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40 tcc ggc aca cca gct cct ctt gac tca gtg ttc tcc agc agc gag cgt    96
41 Ser Gly Thr Pro Ala Pro Leu Asp Ser Val Phe Ser Ser Ser Glu Arg
42          -25                 -20                 -15
44 gcc cac cag gtg ctg cgg atc cgc aaa cgt gcc aac tcc ttc ctg gag   144
45 Ala His Gln Val Leu Arg Ile Arg Lys Arg Ala Asn Ser Phe Leu Glu
46 -10                 -5                  -1  1               5
48 gag ctc cgt cac agc agc ctg gag cgg gag tgc ata gag gag atc tgt   192
49 Glu Leu Arg His Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys
50              10                  15                  20
52 gac ttc gag gag gcc aag gaa att ttc caa aat gtg gat gac aca ctg   240
53 Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln Asn Val Asp Asp Thr Leu
54          25                  30                  35
56 gcc ttc tgg tcc aag cac gtc gac ggt gac cag tgc ttg gtc ttg ccc   288
57 Ala Phe Trp Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro
58          40                  45                  50
60 ttg gag cac ccg tgc gcc agc ctg tgc tgc ggg cac ggc acg tgc atc   336
61 Leu Glu His Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile
62 55                  60                  65                  70
64 gac ggc atc ggc agc ttc agc tgc gac tgc cgc agc ggc tgg gag ggc   384
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65 Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly
66               75              80              85
68 cgc ttc tgc cag cgc gag gtg agc ttc ctc aat tgc tcg ctg gac aac      432
69 Arg Phe Cys Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn
70               90              95              100
72 ggc ggc tgc acg cat tac tgc cta gag gag gtg ggc tgg cgg cgc tgt      480
73 Gly Gly Cys Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys
74           105             110             115
76 agc tgt gcg cct ggc tac aag ctg ggg gac gac ctc ctg cag tgt cac      528
77 Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His
78      120             125             130
80 ccc gca gtg aag ttc cct tgt ggg agg ccc tgg aag cgg atg gag aag      576
81 Pro Ala Val Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys
82 135             140             145             150
84 aag cgc agt cac ctg aaa cga gac aca gaa gac caa gaa gac caa gta      624
85 Lys Arg Ser His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val
86           155             160             165
88 gat ccg cgg ctc att gat ggg aag atg acc agg cgg gga gac agc ccc      672
89 Asp Pro Arg Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro
90           170             175             180
92 tgg cag gtg gtc ctg ctg gac tca aag aag aag ctg gcc tgc ggg gca      720
93 Trp Gln Val Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala
94           185             190             195
96 gtg ctc atc cac ccc tcc tgg gtg ctg aca gcg gcc cac tgc atg gat      768
97 Val Leu Ile His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp
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100 gag tcc aag aag ctc ctt gtc agg ctt gga gag tat gac ctg cgg cgc     816
101 Glu Ser Lys Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg
102 215             220             225             230
104 tgg gag aag tgg gag ctg gac ctg gac atc aag gag gtc ttc gtc cac     864
105 Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His
106             235             240             245
108 ccc aac tac agc aag agc acc acc gac aat gac atc gca ctg ctg cac     912
109 Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His
110             250             255             260
112 ctg gcc cag ccc gcc acc ctc tcg cag acc ata gtg ccc atc tgc ctc     960
113 Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu
114             265             270             275
116 ccg gac agc ggc ctt gca gag cgc gag ctc aat cag gcc ggc cag gag    1008
117 Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu
118      280             285             290
120 acc ctc gtg acg ggc tgg ggc tac cac agc agc cga gag aag gag gcc    1056
121 Thr Leu Val Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala
122 295             300             305             310
124 aag aga aac cgc acc ttc gtc ctc aac ttc atc aag att ccc gtg gtc    1104
125 Lys Arg Asn Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val
126             315             320             325
128 ccg cac aat gag tgc agc gag gtc atg agc aac atg gtg tct gag aac    1152
129 Pro His Asn Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn
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134         345              350              355
136 gac agt ggg ggg ccc atg gtc gcc tcc ttc cac ggc acc tgg ttc ctg    1248
137 Asp Ser Gly Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu
138     360              365              370
140 gtg ggc ctg gtg agc tgg ggt gag ggc tgt ggg ctc ctt cac aac tac    1296
141 Val Gly Leu Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr
142 375              380              385              390
144 ggc gtt tac acc aaa gtc agc cgc tac ctc gac tgg atc cat ggg cac    1344
145 Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His
146         395              400              405
148 atc aga gac aag gaa gcc ccc cag aag agc tgg gca cct                1383
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170     -25              -20              -15
172 Ala His Gln Val Leu Arg Ile Arg Lys Arg Ala Asn Ser Phe Leu Glu
173 -10             -5               -1  1                5
175 Glu Leu Arg His Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys
176             10               15               20
178 Asp Phe Glu Glu Ala Lys Glu Ile Phe Gln Asn Val Asp Asp Thr Leu
179         25               30               35
181 Ala Phe Trp Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro
182     40               45               50
184 Leu Glu His Pro Cys Ala Ser Leu Cys Cys Gly His Gly Thr Cys Ile
185 55               60               65               70
187 Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly
188             75               80               85
190 Arg Phe Cys Gln Arg Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn
191         90               95               100
193 Gly Gly Cys Thr His Tyr Cys Leu Glu Glu Val Gly Trp Arg Arg Cys
194         105              110              115
196 Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Gln Cys His
197     120              125              130
199 Pro Ala Val Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys
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200 135                    140               145                150
202 Lys Arg Ser His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val
203             155               160               165
205 Asp Pro Arg Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro
206             170               175               180
208 Trp Gln Val Val Leu Leu Asp Ser Lys Lys Lys Leu Ala Cys Gly Ala
209         185               190               195
211 Val Leu Ile His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp
212     200               205               210
214 Glu Ser Lys Lys Leu Leu Val Arg Leu Gly Glu Tyr Asp Leu Arg Arg
215 215               220               225               230
217 Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile Lys Glu Val Phe Val His
218             235               240               245
220 Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His
221             250               255               260
223 Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr Ile Val Pro Ile Cys Leu
224         265               270               275
226 Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu
227     280               285               290
229 Thr Leu Val Thr Gly Trp Gly Tyr His Ser Ser Arg Glu Lys Glu Ala
230 295               300               305               310
232 Lys Arg Asn Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val
233             315               320               325
235 Pro His Asn Glu Cys Ser Glu Val Met Ser Asn Met Val Ser Glu Asn
236         330               335               340
238 Met Leu Cys Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly
239     345               350               355
241 Asp Ser Gly Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu
242     360               365               370
244 Val Gly Leu Val Ser Trp Gly Glu Gly Cys Gly Leu Leu His Asn Tyr
245 375               380               385               390
247 Gly Val Tyr Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His
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251             410               415
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267   1               5               10               15
269 tgc ata gag gag atc tgt gac ttc gag gag gcc aag gaa att ttc caa    96
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271             20               25               30
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273 aat gtg gat gac aca ctg gcc ttc tgg tcc aag cac gtc gac ggt gac    144
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277 cag tgc ttg gtc ttg ccc ttg gag cac ccg tgc gcc agc ctg tgc tgc    192
278 Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser Leu Cys Cys
279         50                  55                  60
281 ggg cac ggc acg tgc atc gac ggc atc ggc agc ttc agc tgc gac tgc    240
282 Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys
283 65                  70                  75                  80
285 cgc agc ggc tgg gag ggc cgc ttc tgc cag cgc gag gtg agc ttc ctc    288
286 Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg Glu Val Ser Phe Leu
287                 85                  90                  95
289 aat tgc tcg ctg gac aac ggc ggc tgc acg cat tac tgc cta gag gag    336
290 Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Glu
291             100                 105                 110
293 gtg ggc tgg cgg cgc tgt agc tgt gcg cct ggc tac aag ctg ggg gac    384
294 Val Gly Trp Arg Arg Cys Ser Cys Ala Pro Gly Tyr Lys Leu Gly Asp
295             115                 120                 125
297 gac ctc ctg cag tgt cac ccc gca gtg aag ttc cct tgt ggg agg ccc    432
298 Asp Leu Leu Gln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro
299         130                 135                 140
301 tgg aag cgg atg gag aag aag cgc agt cac ctg aaa cga gac aca gaa    480
302 Trp Lys Arg Met Glu Lys Lys Arg Ser His Leu Lys Arg Asp Thr Glu
303 145                 150                 155                 160
305 gac caa gaa gac caa gta gat ccg cgg ctc att gat ggg aag atg acc    528
306 Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr
307                 165                 170                 175
309 agg cgg gga gac agc ccc tgg cag gtg gtc ctg ctg gac tca aag aag    576
310 Arg Arg Gly Asp Ser Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys
311             180                 185                 190
313 aag ctg gcc tgc ggg gca gtg ctc atc cac ccc tcc tgg gtg ctg aca    624
314 Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr
315             195                 200                 205
317 gcg gcc cac tgc atg gat gag tcc aag aag ctc ctt gtc agg ctt gga    672
318 Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Gly
319         210                 215                 220
321 gag tat gac ctg cgg cgc tgg gag aag tgg gag ctg gac ctg gac atc    720
322 Glu Tyr Asp Leu Arg Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile
323 225                 230                 235                 240
325 aag gag gtc ttc gtc cac ccc aac tac agc aag agc acc acc gac aat    768
326 Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn
327             245                 250                 255
329 gac atc gca ctg ctg cac ctg gcc cag ccc gcc acc ctc tcg cag acc    816
330 Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln Thr
331         260                 265                 270
333 ata gtg ccc atc tgc ctc ccg gac agc ggc ctt gca gag cgc gag ctc    864
334 Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu
335             275                 280                 285
337 aat cag gcc ggc cag gag acc ctc gtg acg ggc tgg ggc tac cac agc    912
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VERIFICATION SUMMARY   DATE: 04/12/2002
PATENT APPLICATION: US/09/997,623   TIME: 14:24:37

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